

Abstract of the Disclosure

Call charge rates are made available in the IP Telephones to provide real-time call duration and fee information on the IP Telephones. A DHCP Server is used to
5 provide the IP addresses of TFTP/DHCP/TOD Servers, IP Telephones MAC addresses to IP addresses mapping, the filename of initialization script, and other parameters. The rates are pre-installed in the TFTP Server and can be downloaded to IP Telephones by using the IP address of TFTP Server provided by DHCP Server. A
10 Time of Day (TOD) Server is used to support the time synchronization between Call Feature Server/Media Gateway Controller and the IP Telephones. Fees are calculated, displayed and stored in the IP Telephones. A PC or workstation is used to retrieve the charge records from the IP Telephones that are co-located at the same corporate site for further billing processing (evaluations, verifications, etc.).